

ABSTRACT OF THE DISCLOSURE

A highly reliable polymer electrolyte fuel cell includes an anode-side separator plate and a cathode-side separator plate that are provided with an anode-side sealing member and a cathode-side sealing member, respectively. The anode-side and cathode-side sealing members seal the cell in cooperation with a polymer electrolyte membrane at sealing parts where the anode-side and cathode-side sealing members are opposed to each other, thereby preventing gas from leaking out of gas flow channels. One of the anode-side and cathode-side sealing members has a pointed rib that comes in contact with the sealing parts in a linear manner, and the other sealing member comes in contact with the sealing parts surface to surface.